

CQE Days 2020

Spring Meeting

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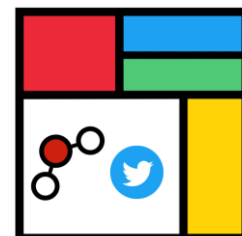
28 & 29 May 2020

Meeting Booklet





CQE Days 2020 Spring Meeting

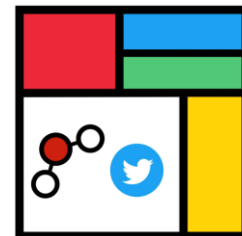


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You cannot hope to build a better world without improving the individuals. To that end, each of us must work for his own improvement and, at the same time, share a general responsibility for all humanity, our particular duty being to aid those to whom we think we can be most useful.

Marie Curie

CQE Days 2020 Spring Meeting



Foreword

*It is not the strongest of the species that survives,
not the most intelligent that survives.*

It is the one that is the most adaptable to change.

Charles Darwin

'New times, new challenges' was the driving engine for our adjustment to a new format of sharing our recent scientific advances. This short booklet compiles all the poster contributions of the CQE Days 2.0 meeting. This document introduces the work produced by the four interweaving thematic lines that the Centro de Qumica Estrutural strives to promote with Excellence.

The organizing committee would like to thank all the participants for their support and help in making the first truly CQE world event such a success.

A special thanks goes to the Session Coordinators, for their commitment to the success of this endeavour. Without the good relationship and communication established during the preparation of CQE Days, it would not have been possible for everything to work so well.

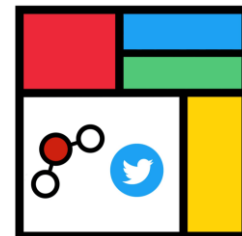
The organising committee is also thankful for the continuous support of the CQE President, Vice-Presidents, and Thematic Line Coordinators.

We believe this meeting showed the amazing work developed by our CQE community and its commitment in maintaining the Excellency that is recognized to CQE. This Booklet is the compilation of what was shown in the sessions as well as what was posted on Twitter.

The organising committee,

Marta Alves
Ana Cristino
Gonalo C. Justino
Nuno Neng
Ana Ribeiro
M. Amlia Soares

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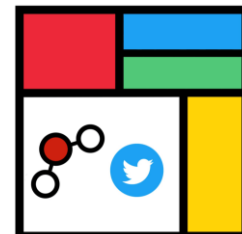
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Final Program

May 28 | Thursday

09h50 - 10h00	Opening =Zoom Session=	José Nuno Canongia-Lopes @jnlopestecnico1
10h00 - 10h40	Biological Chemistry #CQEBiolChem Andreia Valente @AValente_CQE =Zoom Session=	Poster Presentations: Catia Marques Marta Alves Pedro Franco Pinheiro Rui Correia
11h00 - 11h40	Coordination Chemistry #CQECoordChem Leonor Maria @leonorjmaria =Zoom Session=	Poster Presentations: Inês Matias Manas Sutradhar Nádia Ribeiro Sandrina Simões
12h00 - 12h40	Environmental Chemistry #CQEEnvChem João Canário @JooCanrio3 =Zoom Session=	Poster Presentations: Carlos Borges Diogo Ferreira Vanessa Morgado Virginia Ferreira
14h00 - 14h40	Physical Chemistry #CQEPhysChem Bernardo Monteiro @Bernardo_RBM =Zoom Session=	Poster Presentations: José Gonçalves Inês Feliciano Laurinda Areias Patrícia Pereira
15h00 - 15h40	Catalysis #CQECat Marta Andrade @martandrade77 =Zoom Session=	Poster Presentations: Beatriz Barrocas Cátia Costa Joana Martinho Tiago Duarte
16h00 - 16h40	Electrochemistry #CQEElectroChem Ana Viana @AnapgsViana =Zoom Session=	Poster Presentations: Daniel Santos Lénia Calado Mário Almeida Mafalda Macatrão

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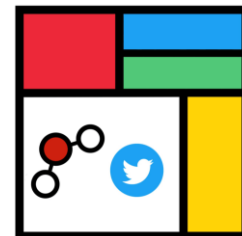


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Final Program

May 29 | Friday

10h00 - 10h40	Medicinal Chemistry #CQEMedChem Vânia André @vaniandrePT =Zoom Session=	Poster Presentations: Diana Silva Ricardo Teixeira Rosana Pinto Tiago Fernandes
11h00 - 11h40	Green Chemistry #CQEGreenChem Olinda Monteiro @OlindaCMonteiro =Zoom Session=	Poster Presentations: Ana Mestre Joana Brás Paula Alves Teresa Nogueira
12h00 - 12h40	Computational Chemistry #CQECompChem Karina Shimizu @kashimizu =Zoom Session=	Poster Presentations: Fernando Santos Pedro Silva Tiago Eusébio
14h00 - 14h40	Energy #CQEEnergy Paula Teixeira @Paula__Teixeira =Zoom Session=	Poster Presentations: Ana Cristino Carmen Bacariza Márcia Ribeiro Maryna Taryba
15h00 - 15h40	Photochemistry #CQEPhotoChem Pedro Paulo @pedrowavespaulo =Zoom Session=	Poster Presentations: Bárbara Casteleiro Ermelinda Maças Inês Mariz Gonçalo Carvalhão
16h40 - 17h20	Thermodynamics #CQEThermo Carlos Bernardes @CESBernardes =Zoom Session=	Poster Presentations: João Paulo Leal M. Soledade Santos M. Teresa Viciosa Xavier Paredes
17h20 - 17h30	Awards Closing =Zoom Session=	



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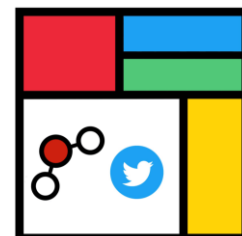
Selected Flash Presentations

In nature nothing is created, nothing is lost, everything changes.

Antoine Lavoisier

Ana Cristino	@afcristino	New life for crude oil glycerol and waste cooking oil	Tweet
Ana Mestre	@AnaSMestre	Low temperature activated hydrochars for the determination of pharmaceutical compounds by bar adsorptive microextraction	Tweet
Barbara Casteleiro	@ba_casteleiro	Enlightening the future of photoluminescent probes: Gold Nanoclusters in Polymer Nanoparticles.	Tweet
Beatriz Barrocas	@BarrocasBeatriz	Pharmaceutical and personal care products photodegradation with novel metal modified titanate nanowires	Tweet
Carlos Borges	@MEChem2019	Determination of river composition trends uncertainty	Tweet
Carmen Bacariza	@CarmenBacariza	Power-To-Gas: A mission for Ni/Zeolites	Tweet
Ctia Costa	@Catia_Costa12	Plastic2fuels: An application of Model-Free Methods to determine the activation energy of the process	Tweet
Catia Marques	@CatiaF_Marques	Metabolism and metabolomics studies as a strategy to explain montelukast-induced adverse neuropsychiatric reactions	Tweet
Daniel Santos	@DanielRbenSant1	Mass transfer fingerprint of flexible polymeric cathodes for sodium-ion batteries	Tweet
Diana Silva	@DianaSi22437103	Imprinted hydrogels with LbL coating for dual drug release from soft contact lenses materials	Tweet

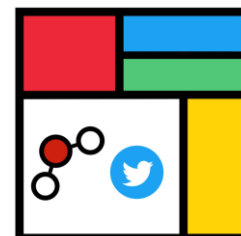
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Diogo Ferreira	@diogo_folhas	Structural characterization of dissolved organic matter (DOM) from thermokarst lakes in permafrost regions	Tweet
Ermelinda Macos	@ErmelindaMacoas	Two-photon absorption enhancement in distorted nanographene ribbons	Tweet
Fernando Santos	@FernandoJVSant2	Modelling Ionic Liquids Based Mixtures for Absorption Refrigeration	Tweet
Gonalo Carvalho	@GCarvalho	Towards cationic self-assembled polymeric single-chain nanoparticles with regenerative medicine potential	Tweet
Ines Feliciano	@InsFeliciano4	Development of a Calorimetric Cell for Dissolution Studies in an Isothermal Microcalorimeter	Tweet
Ines Mariz	@MarizInes	Simple perylene diimide cyclohexane derivative with combined CPL and TPA properties	Tweet
Ines Matias	@InsMatias18	Core-Shell@Fe Scorpionate as catalyst in 1-phenylethanol oxidation	Tweet
Joana Brs	@Joanamnbras	Sustainable synthesis of Metal-Organic Frameworks (MOFs) and their application as dynamic catalysts	Tweet
Joana Martinho	@jfilipapm	Cobalt-based catalysts for CO ₂ hydrogenation	Tweet
Joo Paulo Leal	@JooPauloLeal13	Properties prediction with very few parameters	Tweet
Jose Gonalves	@JoseMartins94	Smart hybrid nanocarrier for modulated pH-actuated cargo release	Tweet
Laurinda Areias	@AreiasLaurinda	Photonic pigments by controlled colloidal assembly	Tweet
Lnia Calado	@LeniaCalado	Cerium Organophosphate as Smart, Self-healing Corrosion Inhibitors for AZ31 Magnesium Alloy	Tweet
M. Soledade Santos	@mssanto31675519	Lipophilicity of isoniazid derivatives, active against Mycobacterium tuberculosis	Tweet

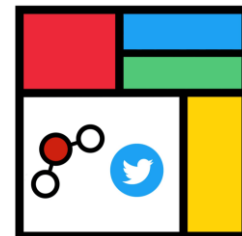
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M. Teresa Viciosa	@MtvTecnico	Exploring the amorphous state of carvedilol	Tweet
Mafalda Macatro	@MacatraoMafalda	Novel Cu-Fe-X (X = Co, Ni) Nanostructured Metallic Foams for Supercapacitor Applications	Tweet
Manas Sutradhar	@manaschem	Oxidovanadium(V) complexes in the catalytic oxidation of cyclohexane	Tweet
Mrcia Ribeiro	@MarciaAlmeidaR	New photoactive metal-organic frameworks for energy applications	Tweet
Mrio Almeida	@madeiralmeida	Novel pseudocapacitive materials for electrochemical energy storage	Tweet
Marta Alves	@martaMalves	The amazing possibility of using metallic absorbable implant materials for bone healing can be further improve with functional coatings	Tweet
Maryna Taryba	@MTaryba	Enhancement of micro-scale electrochemical approach: from corrosion to energy storage	Tweet
Ndia Ribeiro	@nadia_cqebioin	Reduced Schiff base-aminoacid complexes as potential anticancer agents	Tweet
Patricia Pereira	@patricia6manson	Can charges control diameters?	Tweet
Paula Alves	@PaulaCAlves1	Antimicrobial drug coordination frameworks towards improved activity via mechanochemistry	Tweet
Pedro Franco Pinheiro	@pfrancopinheiro	Triggering a specific immune response against cancer by activating Natural Killer cells with a small organic molecule.	Tweet
Pedro Silva	@PedroSi32344273	Self-assembled hemimicelles of semifluorinated alkanes: experiment and MD simulation	Tweet
Ricardo Teixeira	@RGTeixeira_	Ruthenacarboranes complexes bearing N,N-ligands for potential bimodal therapy application	Tweet

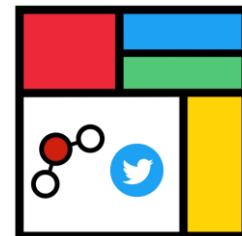
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Rosana Pinto	@rosanaa_pinto	A Robust Ti-based Metal Organic Framework as an NO Carrier for the Control of Biological Functions	Tweet
Rui Correia	@ruidcorreia	Construction of a specific immunosensing nanostructured interface	Tweet
Sandrina Simes	@sandrina_simoes	Cationic Gold(I) complexes with light, inert and noble gases	Tweet
Teresa Nogueira	@TeresaN80017258	Synthesis of Bioplastic from Agri-Food Waste	Tweet
Tiago Duarte	@TiagoDu32562714	Pd nanoparticles supported in functionalized hydrochars to catalyze reduction reactions	Tweet
Tiago Eusbio	@TiagoMEusebio	Ionic liquid gel structures: water concentration and temperature effects	Tweet
Tiago Fernandes	@T1ago_Fernandes	New Silver (Thio)Semicarbazide Complexes for Antibiofilm Applications. Our contribution to a still limited research area.	Tweet
Vanessa Morgado	@_vanessam_	Microplastics in the environment: the first generation of examinological data analysis	Tweet
Virginia Ferreira	@VirginiaFerre14	Semi-conductor modified fibers for environmental remediation and sensing	Tweet
Xavier Paredes	@Xavier_p_m	Searching for new absorbents: thermophysical properties	Tweet



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Prize Awardees

1st prize

Pedro Franco Pinheiro

"Triggering a specific immune response against cancer by activating Natural Killer cells with a small organic molecule"

2nd prize

Patrícia Pereira

"Can charges control diameters?"

3rd prize

Rui Correia

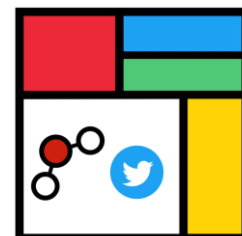
"Construction of a specific immunosensing nanostructured interface"

Tweet with most Interactions

Roma Raj

"Smart coating incorporated with pH sensitive carriers loaded inhibitors for smarter future!"

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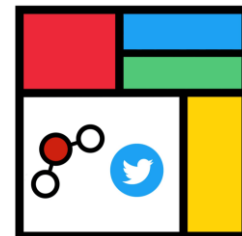


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Twetted Works

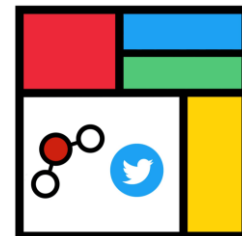
First Author	Twitter Handle		Tweet
Adhan Pilon	@AdhanPilon	tweet	Check our work with iron compounds, where the purpose is studying the effect that the different substituents of the nitrile ligand might have on the compounds' anticancer activity. @cqedays @cqelisboa @FC_UL @AValente_CQE #cqedays2020 #CQEMedChem
Alexandra Antunes	@AlexMMAntunes	tweet	@CatarinaCh work represents an important step to clarify the role of 6 α -hydroxyestrone-derived protein modifications in the onset of diseases #covalentmodifiers @cqedays @cqelisboa @istecnico @BiomolCQE #CQEbiolChem #cqedays2020
Ana Branco	@ACatarinaBranco	tweet	Tribological performance of robocasted zirconia samples: unglazed and glazed #CQEdays2020, #CQEMedChem, @cqedays, @cqelisboa, @istecnico, @ULisboa
Ana Cristina Fernandes	@AnaCris94099564	tweet	Dioxomolybdenum complex as an efficient and cheap catalyst for the reductive depolymerization of plastic waste into value-added compounds and fuels @CQEdays @CQE_Lisboa @istecnico #CQEdays2020 #CQEGreenChem #CQEEnvChem
Ana Cristino	@afcristino	tweet	In this research we obtain new PU foams from crude glycerol and waste cooking oil. @FC_UL @cqelisboa @istecnico @CERENA_research @feup_porto #CQEDays2020 #CQEEnergy #CQEEnvChem #CQEGreenChem
Ana Dias	@anasmdias	tweet	Biomass waste as support for catalytic reactions!!! @cqedays @cqelisboa @ISEL1852 @istecnico #CQECat #CQEGreenChem #CQEdays2020
Ana Guerreiro	@AnaG80074598	tweet	Acid chars as new sample preparation materials @cqedays @cqelisboa @FC_UL @ULisboa_ #CQEdays2020 #CQEEnvChem #CQEGreenChem

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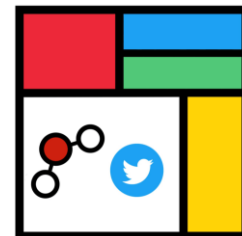
Ana Mestre	@AnaSMestre	tweet	Novel nanoporous carbon materials for the determination of medicines @cqedays @cqel Lisboa @FC_UL @ULisboa @CEMHTICNRS @Samir95981413 @AnaSMestre @nunoneng @APCarvalhoFCUL #CQEdays2020 #CQEEnvChem #CQEGreenChem
Ana Mestre	@AnaSMestre	tweet	Black porous materials for wastewater cleaning @cqedays @cqel Lisboa @FC_UL @ULisboa @LNEC_PT @AnaSMestre @martandrade77 @APCarvalhoFCUL #CQEdays2020 #CQEDays #CQEEnvChem #CQEGreenChem
Ana Raquel Gonalves	@AnaRaquelGona10	tweet	A brief review of the toxicity of ionic liquids for microorganisms, vegetal and animal systems @cqedays #CQEDays2020 @cqedays #CQEDays2020 #CQEEnvChem #CQEMedChem
Ana Raquel Gonalves	@AnaRaquelGona10	tweet	Thermal and Chemical study of Catostylus tagi a jellyfish specie in order to develop a new biopolymer @cqedays #CQEDays2020 @cqedays #CQEDays2020 #CQEThermo #CQEGreenChem
Ana Topete	@AnaTopete5	tweet	Drug-loaded intraocular lenses for the prevention of endophthalmitis and ocular inflammation after cataracts surgery #CQEDays2020 #CQEMedChem @cqedays @cqel Lisboa @istecnico
Andreia Bento de Oliveira	@AndreiaBentode2	tweet	@cqedays check our new work on the impact of sphingolipid profile on gel domains and membrane compartments in yeast, fundamental for disclosing new possible fungal plasma membrane drug targets, developed @cqel Lisboa, @FC_UL, @istecnico. #CQEBiolChem #cqedays2020
Andreia Gouveia	@andreiaslg	tweet	The CO ₂ /H ₂ separation from a multicomponent gas mixture at different temperatures and pressures through poly(ionic liquid)-ionic liquid composite membranes is explored in this work. Take a look! @cqedays @istecnico #cqedays2020 #CQEGreenChem

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Andreia Sofia	@AndreiaSofiaO	tweet	Polyvinyl Alcohol Hydrogels for Cartilage Substitution as Reservoirs for the Local Delivery of Anti-Inflammatory Drugs #CQEdays2020, #CQEMedChem, @cqedays @cqe_lisboa, @istecnico, @ULisboa_
Angela Martins	@AngelaM43151518	tweet	Biomass-based carbons as ORR electrocatalysts @CQEdays @cqe_lisboa @FC_UL @ISEL @UPorto @ciencias_fcup @AnaSMestre @APCarvalhoFCUL @AngelaM43151518 @NelsonGCNunes #CQEdays2020 #CQEEnvChem #CQEElectroChem #CQEGreenChem
Ba Casteleiro	@ba_casteleiro	tweet	Enlightening the future of photoluminescent probes: Gold Nanoclusters in Polymer Nanoparticles. @cqedays @cqe_lisboa @OM2_IST @istecnico @ULisboa_ #cqedays2020 #CQEPhotoChem #CQEPhysChem
Beatriz Barrocas	@BarrocasBeatriz	tweet	New TNW materials modified by ruthenium, cobalt, iron and/or manganese (Ru-TNW, Co-TNW and FeMn-TNW) with improved photocatalytic performance for PPCPs removal. #CQEEnvChem #CQECat #CQEGreenChem #cqedays2020 #photocatalyticmaterials @cqedays @cqe_lisboa @FC_UL @ULisboa_
Beatriz Nobre	@beatriz_p_nobre	tweet	In this work we studied the micronization of an active pharmaceutical ingredient using the supercritical antisolvent technique (SAS). @cqedays #cqedays2020 #CQEThermo
Bernardo Monteiro	@Bernardo_RBM	tweet	An unusual thermally sensitive anion-cation interaction enables the design of an Eu ³⁺ -based ratiometric thermometer @cqedays #CQEPhotoChem #CQEThermo #CQECoordChem
Bruno Carmona	@Anomrac	tweet	TBCCD1 and its interactome: a tool to explore ciliopathies @cqe_lisboa @cqedays #CQEdays2020 #CQEBiolChem #CQEMedChem
Bruno G. M. Rocha	@BrunoGMRocha	tweet	Reduction of RHO by a Ni(II) Tetrazole-saccharinate complex. A DFT study on the reaction

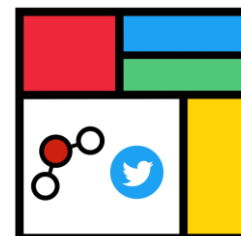
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mechanism. @cqedays @cqe_lisboa
@OM2_IST @istecnico @UA1g
#CQEdays2020 #CQECoordChem
#CQECat

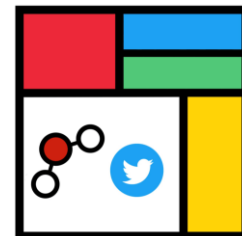
Bruno Sena da Fonseca	@BSenadaFonseca	tweet	Decayed carbonate stone-built heritage require consolidation actions to reestablish stone cohesion and avoid further loss. NanoCStoneH is developing improved consolidants for limestone and marble @cqe_lisboa, @ceris_ist_pt, @istecnico, @IPSetubal. #cqedays2020 #CQEPhysChem
Carla D. Nunes	@CarlaDNunes1	tweet	#cqedays2020 ... Catalysis in water, Yes is possible, with Co/Al nanocatalysts ... #Layeredmaterials @cqedays #CQEDays2020 @FCUL #CQEGreenChem #CQECat #CQEEEnvChem
Carla Queirs	@CarlaQueirs1	tweet	In this work, five ionic liquids were tested for the fractionation of nut shells (almond shells, walnut shells and pine nut shells). @FC_UL @cqedays @cqe_lisboa #CQEDays2020 #CQEEEnvChem #CQEGreenChem #CQE_MTFT #Ionicliquids #lignocellulosicbiomass
Carla Santos	@CarlaSa71705962	tweet	Graphene quantum dots covalently linked to glycol corroles for multiphoton bioimaging #cqedays2020 @cqedays @cqe_lisboa @istecnico @ULisboa_@OM2_IST
Carlos Almeida	@CarlosA11547386	tweet	New analytical method for doping control @cqedays @cqe_lisboa @FC_UL @ULisboa_@IPDJ_IP #CQEdays2020 #CQEMedChem #CQEGreenChem
Carlos Bernardes	@CESBernardes	tweet	@cqedays #cqedays2020 #cqethermo @fc_ul @cqe_lisboa #CQEPhysChem
Carmen Bacariza	@CarmenBacariza	tweet	By your Power-to-Gas combined, I am #CaptainPlanet! 🌍 Our contribution to @cqedays is related with Ni-based #zeolites superpowers towards #powertogas through CO2 methanation ♀ #CATHPRO @cqe_lisboa @istecnico 📄 #CQEDays2020 #CQECat #CQEEnergy

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- | | | | |
|--------------------------|------------------|-----------------------|---|
| Catarina Ferreira Santos | @Catarin69403605 | tweet | A multifunctional 3D-printed PLA-Collagen-Minocycline-nanoHydroxyapatite scaffold for bone regeneration @cqedays @cqe_lisboa @IPSsetubal @facfarmaciaUL #fmdup #CQEDays2020 #CQEBiolChem #CQEMedChem |
| Catarina V. Esteves | @CatVEsteves | tweet | Crystallization of HNAs from Solution: Solubility and Aggregation Studies #CQEDays2020 #CQEThermo @cqedays @CESBernardes @CrystFatima @FC_UL @istecnico Now with the NEW logo from CQE ☺ Thanks @MariaAmliaSoar2 for noticing. Thanks are also in order to @CtiaLop96210551 Cheers! |
| Ctia Costa | @Catia_Costa12 | tweet | Plastic2fuels: An application of Model-Free Methods to determine the activation energy of the process @cqe_lisboa @cqedays @istecnico #CQEcat #CQEEnvChem #CQEdays2020 #CATHPRO |
| Ctia Marques | @CatiaF_Marques | tweet | Metabolism and metabolomics studies as a strategy to explain montelukast-induced adverse neuropsychiatric reactions. @cqedays @cqe_lisboa @BiomolCQE #cqedays2020 #CQEMedChem #CQEBiolChem Thanks for your contribution @goncalo_justino @pbpfp1 @pedrocrosado @Sara_NGarcia @RamiloGomes |
| Changhong Cai | @cai_changhong | tweet | Electrochemical corrosion on biodegradable magnesium alloys. #CQEDays2020 @cqedays @cqe_lisboa @istecnico |
| Daniel Rben Santos | @DanielRbenSant1 | tweet | This work is dedicated to the development of new cathode materials for sodium-ion batteries, based on electronically conducting polymers capable of incorporate sodium ions during oxidation and its expulsion on reduction processes. @cqedays #CQEDays2020 #CQEEnergy #CQEElectroChem |
| Diana Silva | @DianaSi22437103 | tweet | In search for an ideal Ophthalmic drug delivery system: "Imprinted hydrogels with LbL coating for dual drug release from soft contact lenses materials" |

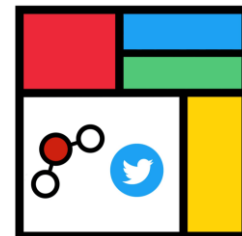
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#CQEDays2020 #CQEMedChem
@cqedays @cqe_lisboa @istecnico

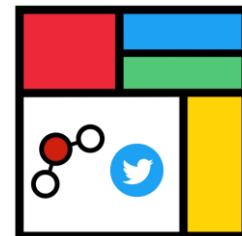
Diogo Folhas Ferreira	@diogo_folhas	tweet	Here, dissolved organic matter (DOM) from thaw lakes was characterized using various analytical techniques. The main goal focused on assessing changes in source, lability and structure, so as to better understand Thermokarst systems. @cqe_lisboa @cqedays #CQEdays2020 #CQEEnvChem
Epole Ntungwe	@Gently2016	tweet	Hello @cqedays , @cqe_lisboa, @cqe, @istecnico here my contribution. "Abietane Diterpenoids from Plectranthus mutabilis Codd" #cqedays2020, #cqeMedChem, #cqePhytochem
Erica Torres	@Ericatorres0609	tweet	NIR emitting perylene diimides: the substituents role @cqedays @OM2_IST @cqe_lisboa @istecnico @ULisboa #CQEEnvChem #CQEEnergy #CQEPHysChem #CQEPhotochem
Ermelinda Macoas	@ErmelindaMacoas	tweet	If you think that defects = underperformance, think again... @cqedays @cqe_lisboa @OM2_IST @istecnico @MOR_Fun_Group @Campana_Lab @angew_chem @UEQuimica_ugr #CQEdays2020 #CQEPHysChem #CQEPhotoChem
Eva Domnguez-Martn	@Eva_M_DM	tweet	Self-assembly nanoparticles of Plectranthus hadiensis diterpenoids @cqedays @cqe_lisboa @PhytoChemLab @CBIOS_ @Gently2016 @Vera89733278 #CQEDays2020 #CQEMedChem
Fatima Montemor	@MontemorFatima	tweet	@CQEdays #CQEDays2020 #CQEElectroChem #CQEEnergy Hello! These are my research topics. Happy to let you know more. Enjoy your @CQEDays trip
Fernando J V Santos	@FernandoJVSant2	tweet	@cqedays This is a sneak peek of what we are modelling in ILGerants project. Take a look. @FC_UL @cqe_lisboa @istecnico @CERENA_research @udeconcepcion #CQEDays2020 #CQEEnergy #CQECompChem

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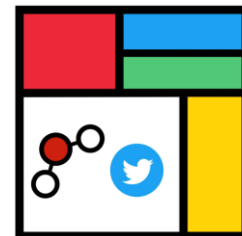
Filipa Correia	@Filipa_Correia	tweet	Carbon Dots for Sensing. #CQEPHysChem #CQEPHysChem #CQEPhotoChem #cqedays2020 @cqedays @cq_lisboa @istecnico @ULisboa_@OM2_IST
Filipa Ramilo-Gomes	@RamiloGomes	tweet	#cqedays2020 - An epigenetic approach to anticancer therapy: EZH2 inhibitors. #CQEMedChem @cqedays @BioMolCQE @cq_lisboa Thanks Prof. M. Matilde Marques, Prof. Rita Guedes, @Sara_NGarcia, @pfrancopinheiro, @goncalo_justino, @CatiaF_Marques, @pedrocrosado.
Gonçalo Carvalhão	@GCarvalho	tweet	Towards cationic self-assembled polymeric single-chain nanoparticles with regenerative medicine potential @CQEdays @cq_lisboa @OM2_IST @istecnico @ULisboa_ #cqedays2020 #CQEPhotochem #CQEPHysChem
Hugo Lapa	@HugoLapa2	tweet	The use of C-scorpionate gold (III) complexes as catalysts for the oxidative esterification of benzaldehyde into methyl benzoate is highlighted in this work. #CQECat #CQECoordChem #CQEGreenChem #CQEdays2020 @cq_lisboa @cqedays @istecnico @ISEL1852
Inês Feliciano	@InsFeliciano4	tweet	Development of a Calorimetric Cell for Dissolution Studies in an Isothermal Microcalorimeter @cqedays @cq_lisboa @FC_UL @ULisboa_ #CQEDays2020 #CQEThermo #CQEPHysChem
Inês Mariz	@MarizInes	tweet	Bright molecules bring bright ideas... @cqedays @cq_lisboa @OM2_IST @istecnico @ULisboa_ #cqedays2020 #CQEPhotoChem #CQEPHysChem
Inês Matias	@InsMatias18	tweet	This work highlights the use of an heterogeneous system, that allow us to combine remarkable properties of a C-Scorpionate iron(II) complex by anchoring it at a magnetic Core-Shell...so take a look 😊😊!!! @cq_lisboa @cqedays @istecnico #cqedays2020 #CQECat #CQECoordChem
Isabel Correia	@IsabelC77928533	tweet	Exploring metal coordination and anti-proliferative activity of a new 8-hydroxyquinoline benzothiazole ligand

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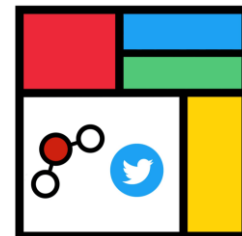
Ivy Librando	@ivy_libz	tweet	Heterogeneization of Cu(I) complexes on carbon materials for catalytic applications
Joana Brs	@Joanamnbras	tweet	Metal-organic framework synthesis and their application in catalytic reactions and dynamic catalysis!! @cqedays @cqe_lisboa @ISEL1852 @istecnico #CQEcats #CQEGreenChem #cqedays2020
Joana F Martinho	@jfilipapm	tweet	Promising cobalt-lanthanide catalysts for CO ₂ hydrogenation. Nanofibers vs Supported on SiO ₂ . @Daniela_fr93 @AnaParreira18 @cqedays @cqe_lisboa @istecnico #cqedays2020 #CQEcats #CQEEnvChem #CQEEnergy
Joo Franco Machado	@JFM_PT	tweet	Ru-peptide conjugates (RuPCs) for targeting metastatic breast cancer (MBC): MBC has a poor prognosis due to the lack of efficient and specific therapies. FGFR receptor is overexpressed in MBC. We report novel RuPCs selective for FGFR(+) BC cells. @cqedays #CQEDays2020 #CQEMedChem
Joo Paulo Leal	@JooPauloLeal13	tweet	Circular economy is increasingly important. The recovery of priority metals such as rare earths is essential for sustainability and for environment. @cqedays @CQE_Lisboa #cqedays2020 #CQEEnvChem #CQEPhysChem
Joo Paulo Leal	@JooPauloLeal13	tweet	Predict properties is a very important subject nowadays. The possibility of doing it keeping good prediction capability and using a low number of parameters is explored. @cqedays @CQE_Lisboa #cqedays2020 #CQEThermo #CQEPhysChem
Jos Gonalves	@JoseMartins94	tweet	Novel hybrid nanocarrier with remarkably efficient pH-modulated ON:OFF cargo release by simultaneously changing the polymer conformation and the cargo-carrier interaction. @cqedays @cqe_lisboa @OM2_IST @istecnico @ULisboa_ #cqedays2020 #CQEMedChem #CQEPhysChem

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Laurinda Areias	@AreiasLaurinda	tweet	@cqedays See an amazing example of structural color!! Non-fading, non-iridescent and bright photonic pigments from colloidal assembly #cqedays2020 #OM2_IST #istecnico #ULisboa #cqe_lisboa #CQEPhotoChem #CQEPhysChem
Luciana Silva	@Luciana65198035	tweet	Valorization of sugars from aqueous fraction resulting from liquefaction of eucalyptus wood. @cqedays, #CQEDays2020, @cqe_lisboa, @istecnico, @ULisboa_, @FC_UL
Lénia Calado	@LeniaCalado	tweet	Cerium Organophosphate as efficient corrosion inhibitor for Mg alloys. Ce(DEHP) ₃ imparts pH-sensitive, self-healing corrosion protection, leading to enhanced anticorrosive protection in intact and damaged coatings. @cqedays @cqe_lisboa @istecnico #cqedays2020 #CQEElectroChem
Leonor Maria	@leonorjmaria	tweet	The fascinating uranium chemistry: Activation of carbon dioxide with C-O bond cleavage by uranium(VI) terminal imido complexes. @cqedays @cqe_lisboa @istecnico @BioISI @FC_UL #CQEdays2020 #CQEECoordChem
Lígia Fonseca Coelho	@lpfcoelho	tweet	Field Work at the Canadian Subarctic - A Terrestrial analogue of the icy moons of Jupiter and Saturn @cqedays @cqe_lisboa @MITPortugal @iBBTecnico #CQEEEnvChem
Luís C. Almeida	@LusCALmeida1	tweet	Here is a glimpse of catecholamine electropolymerization and their effective use as enzymes anchor. A robust enzymatic biosensors is presented to estimate the phenolic content in a chestnut extract. @cqedays @cqe_lisboa @FC_UL @ULisboa_ #cqedays2020 #CQEElectroChem
Luís Nobre	@Nobre_LCS	tweet	Some results using Supercritical Antisolvent precipitation to produce particles, controlling the morphology and the size as also the particle size distribution. #CQEdays2020 @cqedays #CQEGreenChem #CQECat #CQEEEnvChem

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Luísa Chiavassa

@ChiavassaLuisa

[tweet](#)

In this work, metal doped nanowires were synthesized to produce catalytic composite films capable of degrading emergent pollutants by photocatalysis under visible light.
@cqel Lisboa @cqedays @FC_UL @ULisboa_ @UniWarszawski #CQEdays2020 #CQEEEnvChem #CQECat #CQEGreenChem

Luísa Margarida Martins

@LMDRSMartins

[tweet](#)

A very recently patented sustainable process to convert cyclohexane to adipic acid @cqedays @cqel Lisboa @deqist @istecnico @ULisboa #CQEdays2020 #CQEEnergy #CQECat

M. Carmen Gonzalez Garcia @mcarmeng94

[tweet](#)

Discover intracellular microenvironment employing acridones and multiparametric fluorescence microscopy with our last work.#CEQdays2020 #CQEPhotoChem #CQEPhysChem @PPhotobiology @UEQuimica_ugr @UGRdivulga @ffarmaciaUGR

Mafalda Macatrão

@MacatraoMafalda

[tweet](#)

Novel Cu-Fe-X (X = Co, Ni) Nanostructured Metallic Foams for Supercapacitor Applications @cqedays @cqel Lisboa @istecnico #CQEElectroChem #CQEDays2020 #CQEEnergy #CQEElectroChem

Mahboobeh Attaei

@AttaeiM

[tweet](#)

The ability of polyethylenimine microcapsules to improve the protection properties of epoxy coatings, boosted by isocyanate microcapsules. @cqedays @cqel Lisboa @istecnico @CERENA_research @Shell_Qatar @QNRF #cqedays2020 #CQEElectroChem

Manas Sutradhar

@manaschem

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Herein, we report the catalytic activities of three oxidovanadium(V) complexes with three different nuclearities having a similar type of azine based ligands towards the microwave assisted oxidation of alkanes under mild conditions. #CQECat #CQECoordChem #CQEDays2020 @cqedays

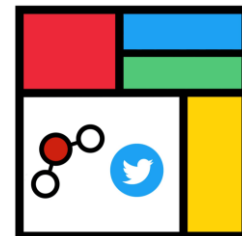
Márcia Ribeiro

@MarciaAlmeidaR

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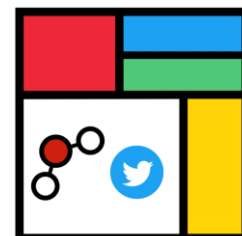
A new metal-organic framework constructed from a diphenyl anthracene and Zn/Co/Cu clusters with luminescence properties.


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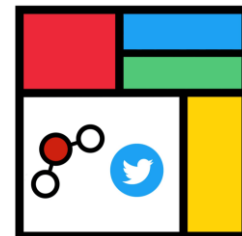
Mariana Donato	@Mariana75968869	tweet	<p>#CQEEnergy #CQEPhysChem #CQEPhotoChem #cqedays2020 @cqedays @cq_lisboa @istecnico @ULisboa_ @OM2_IST</p> <p>Application of Ionic Liquids as additives to PEG200 to lubricate silicon surfaces. #CQEdays2020, #CQEMedChem, @cqedays, @cq_lisboa, @istecnico, @ULisboa</p>
Mário Almeida	@madeiralmeida	tweet	<p>Hello @cqedays, @cq_lisboa, @istecnico! 🙌 Kudos on the event! Here is my small contribution to it. Novel pseudocapacitive materials for electrochemical energy storage. Have fun! #CQEDays2020CQEEnergy #CQEElectroChem</p>
Marta M. Alves	@martaMalves	tweet	<p>The amazing possibility of using metallic absorbable implant materials for bone healing can be further improve with functional coatings @istecnico @cq_lisboa @cqedays @itqbunl @NovaUnl @iBBTecnico @IPSetubal @VSCHT #CQEDays2020 #CQEBiolChem #CQEMedChem</p>
Marta Andrade	@martandrade77	tweet	<p>Here's a brief insight on carbon-supported vanadium complexes for catalysis! Hope you like it! @cqedays @cq_lisboa @ist @ULisboa_ @FC_UL #cqedays2020 #CQECat #CQECoordChem</p>
Maryna Taryba	@MTaryba	tweet	<p>"Enhancement of micro-scale electrochemical approach: from corrosion to energy storage"/ CSSE - group 7 @cqedays @cq_lisboa @istecnico #cqedays2020 #CQEElectroChem #CQEEnergy #CQEGreenChem</p>
M J Lourenço	@MJLoureno1	tweet	<p>Thermal Conductivity Study of a Metastable Ionic Liquid, [C2mim][CH3SO3] as a new heat transfer fluid. @FC_UL @cq_lisboa @cqedays #cqedays2020 #CQEPhysChem #CQEThermo #CQE_MTFT</p>
ME Chem	@MEChem2019	tweet	<p>The evaluation of instrumental quantifications uncertainty is very challenging because many complex and correlated variables affect measurements quality. This work presents models and tools that</p>

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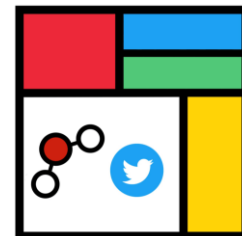
			overcome all difficulties! @cqe_lisboa @FC_UL @__vanessam_ #CQEDays2020 #CQEEnvChem
ME Chem	@MEChem2019	tweet	The objective assessment of composition trends of large river areas requires the determination of the mean concentration uncertainty. A novel simulation tool was used to study nutrients levels in Tagus River. @cqe_lisboa @FC_UL #CQEDays2020 #CQEEnvChem
ME Chem	@MEChem2019	tweet	Optimization and quantification of the uncertainty of oil spill identification by GC-MS. Monte Carlo simulation of the ratio of correlated signals. @cqe_lisboa @FC_UL #CQEDays2020 #CQEEnvChem
mssantos	@mssanto31675519	tweet	A systematic comparison between two different lipophilicity scales, for closely related promising antitubercular compounds, was shown to contribute to a deeper comprehension of their interaction with biological membranes. @cqedays #CQEDays2020@FCUL@ULisboa #CQEMedChem #CQEThermo
MTV-Tecnico	@MtvTecnico	tweet	Exploring the amorphous state of carvedilol! @cqe_lisboa @CQEDays @OM2_IST #CEQdays2020 #CQEThermo #CQEPhysChem
Nádia Ribeiro	@nadia_cqebiain	tweet	Using the unique redox chemistry of metal ions to fight cancer #CQEdays2020 take a look on how #CQECoordChem can join hands with #CQEMedChem and #CQEbiolChem @cqedays @cqe_lisboa @istecnico @ULisboa_@_KUTTAM_@kocunv @MARE_centre
Nadia Toffoletto	@NadiaToffoletto	tweet	How to replace the frequent administration of eye drops with a more effective and patient-friendly method to prevent chronic inflammation after cataract surgery? Check out our contribution to #CQEDays2020!  @cqedays @cqe_lisboa #CQEMedChem @ORBITAL_ITN @MSCActions @EU_H2020

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Olinda Monteiro	@OlindaCMonteiro	tweet	... sometimes slight changes in the structure outcomes great improvements in the photocatalytic properties of titanate nanotubes... #photocatalyticmaterials @cqedays #CQEDays2020 @cqe_lisboa #CQEEnvChem #CQEGreenChem
Oriana Gonalves	@ocgoncalves	tweet	Influence of Matrix pH on Activated Carbon coated BAmE @cqedays @cqe_lisboa @FC_UL @ULisboa #CQEdays2020 #CQEEnvChem #CQEGreenChem
Paolo Sgarbossa	@SgarbossaPaolo	tweet	@UniPadova for @cqedays! Copper(II) thiosemicarbazones and their cytotoxic activity #CQEdays2020 #CQECoordChem
Patrcia Calado	@Patricia27521446	tweet	#cqedays2020 #CQEMedChem Check out our latest research on the synthesis of C-glucosyl chalcones and dihydrochalcones! Happy to let you know more. Enjoy the CQEdays!
Patrcia Pereira	@patricia6manson	tweet	A simple and cost-effective synthesis of Mesoporous Silica Nanoparticles with variations on the ionic strength to obtain diameters below 100 nm. Take a look  @cqedays @cqe_lisboa @OM2_IST @istecnico @ULisboa_ #cqedays2020 #CQEPhysChem #CQEGreenChem
Paula C. Alves	@PaulaCAlves1	tweet	Antimicrobial drug coordination frameworks towards improved activity via mechanochemistry @CatarinaBravo1 @slviaquaresma1 @PhytoChemLab @cryst_t @vaniandrePT @ACFs_CQE @cqe_lisboa @cqedays @istecnico @ULisboa @CBIOS_ #CQEDays2020 #CQEMedChem #CQEGreenChem
Paula Teixeira	@Paula__Teixeira	tweet	Ca-Looping CO2 capture under industrial realistic conditions @cqedays @cqe_lisboa @istecnico @ULisboa #cqedays2020 #CQEEnvChem
Pedro Franco Pinheiro	@pfrancopinheiro	tweet	Triggering a specific immune response against cancer by activating Natural Killer cells with a small organic molecule. @cqedays @cqe_lisboa @BiomolCQE #cqedays2020 #CQEMedChem #CQEbiolChem @pfrancopinheiro ,

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@goncalo_justino , Joana P. Miranda and M. Matilde Marques.

Pedro C. Rosado

@pedrocrosado

[tweet](#)

This work contributes to the development of an in vitro cost-effective strategy to predict drug metabolism and possible toxic side effects. @cqedays @cq_lisboa @istecnico @ESTBarreiro_IPS @BiomolCQE #CQEMedChem #CQEbiolChem #CQECat #CQECompChem #cqedays2020

Pedro Silva

@PedroSi32344273

[tweet](#)

Semifluorinated alkanes have a remarkable tendency for supramolecular organisation. They are used as blood substitutes and as self-assembled templates for surface nanopatterning. Here, we report on a Molecular Dynamics study of these systems. @cq_lisboa #cqedays2020 #CQECompChem

Pierre Bottarel

@BottarelPierre

[tweet](#)

Home made development of a sustainable catalyst support from coffee waste is discussed in this work. #CQEEnvChem #CQECat #cqedays2020 #greenchemistry @cqedays @cq_lisboa @FC_UL @UniPadova @ULisboa_ @DiSC_UniPD <http://chimica.unipd.it>

Rasoul NADERI

@RasouINB

[tweet](#)

@cqedays, @cq_lisboa, @istecnico, ! Here is my small contribution to it. New strategies to synthesis Ni-Co sulfide materials for electrochemical energy storage and supercapacitor applications. #cqedays2020 #CQEElectroChem

Ricardo Teixeira

@RGTeixeira_

[tweet](#)

Happy to present some results of this study with Clara Vinas @icmabCSIC on Ru(II)-based metallocarboranes as candidates for bimodal cancer therapy. Take a look at our paper in @RSCAdvances to find more! @cqedays @cq_lisboa @FC_UL @AValente_CQE #LMlgroup #CQEdays2020 #CQEMedChem

Rita Brs

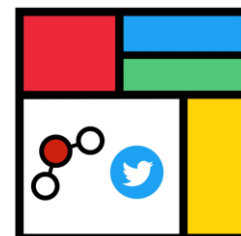
@RitaBrs3

[tweet](#)

Fighting colorectal cancer with ruthenium-based agents @cqedays @cq_lisboa @UMinho_Oficial #CQEbiolChem #CQEMedChem

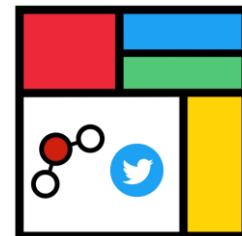
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Roma Raj	@romaraj5	tweet	Smart coating incorporated with pH sensitive carriers loaded inhibitors for smarter future! @istecnico @cqel Lisboa @cqedays @ULisboa_ @angew_chem @CoatingsWorld @EuChemS @QatarUniversity @Shell @voestalpine @SherwinWilliams @ELSCHEMISTRY #cqedays2020 #CQEEnergy #CQEElectroChem
Rosana Pinto	@rosanaa_pinto	tweet	A Robust Ti-based Metal Organic Framework as an NO Carrier for the Control of Biological Functions @cqedays #cqedays2020 #CQEMedChem @cqel Lisboa @istecnico @FC_UL @ULisboa_
Rui Correia	@ruidcorreia	tweet	Development of a bio-inspired polymeric nanostructured immunosensing interface, suitable for optical and electrochemical transduction. @cqedays #cqedays2020 #CQEElectroChem #CQEBiolChem @cqel Lisboa @FC_UL @ULisboa_
Rute Cesrio	@RuteCesario	tweet	Here, mercury (Hg) hydrological transport was evaluated in Tagus estuary using North Channel as a source site. The main goal is to understand and quantify the distribution, transport and fate of Hg species across the water column. @cqedays @cqel Lisboa #CQEdays2020 #CQEEEnvXhem
Samir	@Samir95981413	tweet	This work highlights the development of a fast, eco-friendly, cost-effective, miniaturized and high throughput methodology for the analysis of ketamine and norketamine in up to 100 urine samples simultaneously! @cqel Lisboa @cqedays @FC_UL #CQEdays2020 #CQEGreenChem #CQEMedChem
Sandrina Oliveira Simes	@sandrina_simoes	tweet	The [Au(CH ₃ CN) ₂] ⁺ complex forms [Au(CH ₃ CN) ₂ (L)] ⁺ adducts in the gas phase with light, inert and noble gases, including CH ₄ , N ₂ and Xe. @cqedays @cqel Lisboa @BioISI #CQEdays2020 #CQECoordChem #CQEPHYSchem

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Sara Garcia

@Sara_Ngarcia

[tweet](#)

Exploiting altered metabolism for cancer treatment: Biochemical validation of virtual hits for HK2 inhibition @cqedays @BioMolCQE @cqe_lisboa #cqedays2020 #CQEMedChem #CQEBiolChem. Special thanks to @RamiloGomes @pfrancopinheiro @goncalo_justino @CatiaF_Marques @pedrocrosado

Srgio Alves

@SrgioAl00415770

[tweet](#)

One solution for the difficult task of removing boron from water using polymer nanoparticles. #cqedays2020 @OM2_IST @cqedays @cqe_lisboa @istecnico @ULisboa_ #CQEEEnvChem #CQEPhysChem

Tannistha Roy Barman

@tannisthachem

[tweet](#)

Herein, we mainly focused on the selective oxidation of alcohols to the corresponding carbonyl compounds under solvent free microwave irradiation as energy saving beneficial techniques. #CQEDays2020 #CQECat #CQEECoordChem @cqedays @manaschem

Teresa Nogueira

@TeresaN80017258

[tweet](#)

Hello! Here is a presentation of the work I've been developing in my master thesis - Synthesis of Bioplastic from Agri-Food Waste. Hope you like it! @cqe_lisboa @cqedays @istecnico @deqist @ULisboa #CQEdays2020 #CQEEEnvChem #CQEEGreenChem

Tiago A. Fernandes

@T1ago_Fernandes

[tweet](#)

New Silver (Thio)Semicarbazide Complexes for Antibiofilm Applications. Our contribution to a still limited research area. @cqe_lisboa @cqedays @FC_UL @istecnico @ULisboa #CQEDays2020 #CQECompChem #CQEMedChem @vaniandrePT, A.Arol, A.Frana, S.Mikhalyonok, N.Cerca & A.M.Kirillov

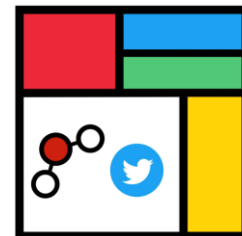
Tiago Duarte

@TiagoDu32562714

[tweet](#)

This work highlights the high catalytic activity and stability of Pd nanoparticles immobilized in functionalized hydrochars. @cqe_lisboa @cqedays @istecnico @FC_UL @ULisboa_ @Paul_Sabatier_Toulouse #cqedays2020 #CQECat #CQEEGreenChem

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Tiago M. Eusbio

@TiagoMEusebio

[tweet](#)

When a small amount of water is added to the C10mimBr an ionic crystalline gel is formed. MD simulations allowed the exploration of the supramolecular structures and of the phenomena behind organization. @cqedays @cq_lisboa @istecnico #cqedays2020 #CQECCompChem #CQEPhysChem

Tiago Martins

@Tiago_D_Martins

[tweet](#)

Smart water-borne polymer nanoparticles for high-performance and self-healing coating materials

Vanessa Morgado

@__vanessam_

[tweet](#)

Take a look at the *sneak peek* of an examinological data analysis of the presence of microplastics in the environment. @cqedays @cq_lisboa @FC_UL @ULisboa_ @MEChem2019 #CQEDays2020 #CQEEnvChem

Vera

@Vera89733278

[tweet](#)

Phytochemical study and derivatization of a cytotoxic royleanone from *P. grandidentatus* #CQEdays2020 #CQEMedChem @CBIOS_ @PhytoChemLab

Virgnia Ferreira

@VirginiaFerrei14

[tweet](#)

The application of textile fibres modified with semiconductor nanoparticles (e.g. TiO₂, BiOCl) for environmental remediation, self-cleaning, UV-protection and sensing purposes, is highlighted in this work. #CQEEnvChem #CQECat #cqedays2020 @cqedays @cq_lisboa @FC_UL @ULisboa_

Xavier Paredes

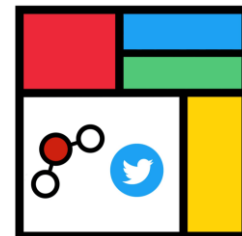
@Xavier_p_m

[tweet](#)

This is part of our ongoing work regarding the study of potential alternatives to current working pairs for absorption refrigeration using ionic liquids. @FC_UL @cq_lisboa @cqedays #cqedays2020 #CQEThermo



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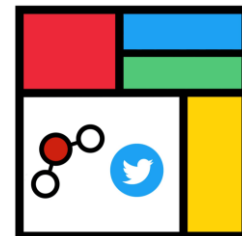
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Sponsors





CQE Days 2020 Spring Meeting



Life is not easy for any of us. But what of that? We must have perseverance and above all confidence in ourselves. We must believe that we are gifted for something and that this thing must be attained.

Marie Curie

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